

Title (en)

BLENDED PHOSPHITE OR PHOSPHONITE COMPOSITIONS HAVING IMPROVED HYDROLYTIC STABILITY

Title (de)

GEMISCHTE PHOSPHIT- ODER PHOSPHONITZUSAMMENSETZUNGEN MIT VERBESSERTER HYDROLYTISCHER STABILITÄT

Title (fr)

COMPOSITIONS DE PHOSPHITE OU PHOSPHONITE MÉLANGÉES AYANT UNE STABILITÉ HYDROLYTIQUE AMÉLIORÉE

Publication

**EP 2340278 A1 20110706 (EN)**

Application

**EP 09792121 A 20090901**

Priority

- US 2009055571 W 20090901
- US 28480608 A 20080924

Abstract (en)

[origin: US2010076129A1] A method is disclosed for increasing the hydrolytic stability of a stabilizer selected from the group consisting of (A) a first phosphite of the structure: and (B) a first phosphonite of the structure: wherein R1, R2, R3, R4, R5, R6, R7, R8, R9, and R10 are independently selected from the group consisting of hydrogen and alkyl, provided that at least one of R1, R2, R3, R4, R5, R6, R7, R8, R9, and R10 is alkyl, and n is 2; wherein said method comprises blending said stabilizer with (a) from about 1 to about 25 weight percent, based on the total weight of the resulting blend, of a second phosphite of the structure wherein R11, R12, R13, R14, and R15 are independently selected from the group consisting of hydrogen and alkyl, provided that at least one of R11, R12, R13, R14, and R15 is alkyl, and R16 and R17 are independently selected alkyl groups; and (b) from about 1 to about 10 weight percent, based on the total weight of the resulting blend, of an acid scavenger.

IPC 8 full level

**C08K 5/00** (2006.01); **C08K 5/526** (2006.01)

CPC (source: EP KR US)

**C07F 9/40** (2013.01 - KR); **C07F 9/6574** (2013.01 - KR); **C08K 5/527** (2013.01 - EP US); **C08K 5/5333** (2013.01 - KR); **C08K 5/5373** (2013.01 - KR); **C08K 5/5393** (2013.01 - EP US); **C08K 5/005** (2013.01 - EP US); **C08K 2201/014** (2013.01 - EP US)

Citation (search report)

See references of WO 2010036484A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**US 2010076129 A1 20100325**; **US 8067490 B2 20111129**; BR PI0918787 A2 20151201; CN 102164998 A 20110824; CN 102164998 B 20130814; EP 2340278 A1 20110706; JP 2012503704 A 20120209; KR 20110063644 A 20110613; SA 109300571 B1 20120926; TW 201022286 A 20100616; WO 2010036484 A1 20100401

DOCDB simple family (application)

**US 28480608 A 20080924**; BR PI0918787 A 20090901; CN 200980137334 A 20090901; EP 09792121 A 20090901; JP 2011529062 A 20090901; KR 20117006551 A 20090901; SA 109300571 A 20090926; TW 98131959 A 20090922; US 2009055571 W 20090901